

IN THE DRAWINGS:

Please consider the replacement drawing which is submitted herewith in order to address the Examiner's objection mentioned below. More specifically, Figs. 1, 4, 6, 9 and 11 have been revised such that the source of hydrocarbon fuel to the mixed conductor is now shown. In addition, Figs. 1, 4, 6, 9 and 11 have been revised such that the heating system 122 is now shown as being included with the combustion engine 10 and the electrical heating element 124 is now shown as being disposed within the combustion chamber 14. Fig. 1 has been revised to show element 36 (H_2) as coming from line 55 and from within the permeate side 22 of the mixed conductor 16.

REMARKS

Summary of the Official Action

The forgoing Amendment and Remarks that follow are responsive to the Office Action mailed February 8, 2005. In that Office Action, the Examiner objected to the drawings indicating that the source of fuel to the mixed conductor must be shown and that the specification should also be amended accordingly. The Examiner also indicated that the electric heater of Claim 3 must be shown or the feature canceled from the claims. Furthermore, the Examiner objected to Fig. 1 indicating that Fig. 1 does not show element 36 (H₂) which can come from line 55 and from within 22.

Summary of Applicants Response

By this amendment, Applicant has submitted replacement drawing sheets for Figs. 1, 4, 6, 9 and 11 in order to address the Examiner's objections. More specifically, Figs. 1, 4, 6, 9 and 11 have been revised such that the source of hydrocarbon fuel to the mixed conductor is now shown. In addition, Figs. 1, 4, 6, 9 and 11 have been revised such that the heating system 122 is now shown as being included with the combustion engine 10 and the electrical heating element 124 is now shown as being disposed within the combustion chamber 14.

Accordingly, paragraphs 0051, 0053 and 0072 of the specification have been amended to reflect the above-noted revisions to the drawings.

Conclusion

In view of the foregoing, the application is now believed to be in condition for allowance.

Entry of the amendments and issuance of a Notice of Allowance is therefore respectfully requested.

Should the Examiner have any suggestions for expediting allowance of the application, please contact Applicant(s) representative at the telephone number listed below.

If any additional fee is due, please charge deposit account 19-4330.

Respectfully submitted,

Date: 03/07/05

By:

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